

CLAIMS

What is claimed is:

- 1 1. A method, comprising:
 - 2 sending a selected data type without self-definition information to a receiver
 - 3 if a state capable of interpreting the selected data type has been maintained by
 - 4 the receiver; and
 - 5 sending the selected data type with the self-definition information to the
 - 6 receiver if the state capable of interpreting the selected data type has not been
 - 7 maintained by the receiver.
- 1 2. The method of claim 1, further comprising:
 - 2 training the receiver to enter the state capable of interpreting the selected
 - 3 data type.
- 1 3. The method of claim 1, further comprising:
 - 2 determining whether the state capable of interpreting the selected data type
 - 3 has been maintained by the receiver.
- 1 4. The method of claim 3, wherein determining whether the state capable of
2 interpreting the selected data type has been maintained by the receiver
3 further comprises:
 - 4 determining that the receiver has not received a communication from another
 - 5 transmitter after the receiver has been trained to enter the state capable of
 - 6 interpreting the selected data type by a training transmitter.
- 1 5. The method of claim 3, wherein determining whether the state capable of
2 interpreting the selected data type has been maintained by the receiver
3 further comprises:

4 determining that no transmitter other than a training transmitter is capable of
5 communicating with the receiver.

1 6. The method of claim 3, wherein determining whether the state capable of
2 interpreting the selected data type has been maintained by the receiver
3 further comprises:

4 determining whether a transmission of information from a transmitter other
5 than a training transmitter has been directed to the receiver.

1 7. The method of claim 3, wherein determining whether the state capable of
2 interpreting the selected data type has been maintained by the receiver
3 further comprises:

4 determining that the receiver is operating in accordance with a protocol that
5 prohibits communication with a transmitter other than a training transmitter until
6 the training transmitter indicates that a communication session between the
7 training transmitter and the receiver is terminated.

1 8. The method of claim 1, wherein the protocol is an Institute of Electrical and
2 Electronics Engineers (IEEE) 802.11 protocol.

1 9. The method of claim 1, wherein the self-definition information is included in
2 a packet header.

1 10. The method of claim 1, wherein the self-definition information indicates at
2 least one of a multicarrier transmission technique, a modulation, a code rate,
3 a code type, a power, and a beam-forming parameter.

1 11. An article comprising a machine-accessible medium having associated
2 information, wherein the information, when accessed, results in a machine
3 performing:

4 sending a selected data type without self-definition information to a receiver
5 if a state capable of interpreting the selected data type has been maintained by
6 the receiver; and

7 sending the selected data type with the self-definition information to the
8 receiver if the state capable of interpreting the selected data type has not been
9 maintained by the receiver.

1 12. The article of claim 11, wherein the information, when accessed, results in
2 the machine performing:

3 determining whether the state capable of interpreting the selected data type
4 has been maintained by the receiver.

1 13. The article of claim 12, wherein determining whether the state capable of
2 interpreting the selected data type has been maintained by the receiver
3 further comprises:

4 determining, by an access point, that no information will be communicated
5 to the receiver except by the access point.

1 14. The article of claim 12, wherein determining whether the state capable of
2 interpreting the selected data type has been maintained by the receiver
3 further comprises:

4 determining that control of a communications channel used by the receiver
5 and a training transmitter has not been released by the training transmitter.

1 15. An apparatus, comprising:

2 a transmitter to selectively send a selected data type to a receiver with or
3 without self-definition information; and

4 a determination module to determine whether a state capable of interpreting
5 the selected data type has been maintained by the receiver after the receiver has
6 been trained to enter the state by the transmitter.

- 1 16. The apparatus of claim 15, further comprising:
 - 2 a memory to store the self-definition information.
- 1 17. The apparatus of claim 15, wherein the self-definition information indicates
2 at least one of a multicarrier transmission technique, a modulation, a code
3 rate, a code type, a power, and a beam-forming parameter.
- 1 18. The apparatus of claim 15, wherein the selected data type is sent to the
2 receiver by the transmitter as a series of frames.
- 1 19. A system, comprising:
 - 2 a transmitter to selectively send a selected data type with or without self-
3 definition information;
 - 4 a receiver to receive the selected data type; and
 - 5 a determination module to determine whether a state capable of interpreting
6 a selected data type to be sent by the transmitter has been maintained by the
7 receiver after the receiver has been trained to enter the state by the transmitter.
- 1 20. The system of claim 19, further comprising:
 - 2 an omnidirectional antenna capable of being coupled to the receiver.
- 1 21. The system of claim 19, further comprising:
 - 2 a memory included in the receiver to store an indication of the state.
- 1 22. The system of claim 19, wherein the selected data type is sent to the receiver
2 by the transmitter as a series of adaptively modulated packets.